

Recent Java Issues and Suggested Settings

Current as of 6/9/2015

Here are steps to configure Java Version 8 to work with MPERA's Web Reporting System and resolve other "Application Blocked by Security Settings" errors. If you have technical staff, please provide them this document and work with them on your computer's setup. Note, each time Java is updated, you may have to review this document to confirm the settings. Sometimes Java updates reset prior settings.

MPERA recommends using the latest version of Internet Explorer compatible with your version of Windows. You can check here for your computer: <http://windows.microsoft.com/en-us/internet-explorer/download-ie>.

MPERA recommends using Java 1.7u79 found on the MPERA Web Reporting Message page:

<http://mpera.mt.gov/webreportingmessage.shtml> or here [Windows Offline Java 7 \(1.7u79\)](#) (file size: 35.6 MB). If you do not have Java 1.7u79 installed install it now.

MPERA does not recommend using Google Chrome and Java. Starting with Version 42 (released April 2015), Chrome has disabled the standard way in which browsers support plugins. Java plug-in for web browsers relies on the cross platform plugin architecture NPAPI, which has long been, and currently is, supported by all major web browsers. Google announced in September 2013 plans to remove NPAPI support from Chrome by "the end of 2014", thus effectively dropping support for Silverlight, Java, Facebook Video and other similar NPAPI based plugins. Recently, Google has revised their plans and now state that they plan to completely remove NPAPI by late 2015. As it is unclear if these dates will be further extended or not, so MPERA strongly recommends Java users consider alternatives to Chrome as soon as possible. Internet Explorer is the preferred longer-term option. For those using Chrome now, as of April 2015, starting with Chrome Version 42, Google has added an additional step to configuring NPAPI based plugins like Java to run:

Enabling NPAPI in **Chrome Version 42 and later:** In your URL bar, enter:

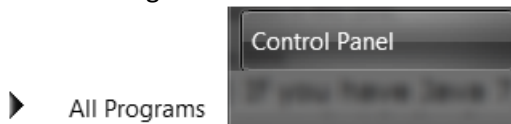
1. `chrome://flags/#enable-npapi`
2. Click the **Enable** link for the **Enable NPAPI** configuration option.
3. Click the **Relaunch** button that now appears at the bottom of the configuration page.

Settings on the Java Control Panel:

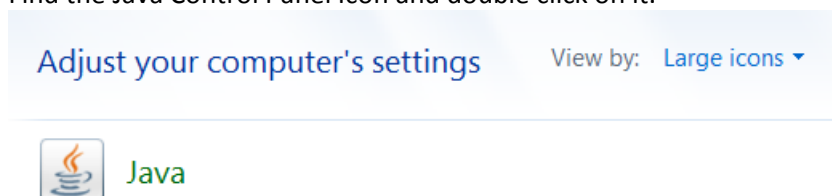
Use these instructions begin once Java is installed or is updated. From the Start button (usually located in the lower left-hand of the screen).



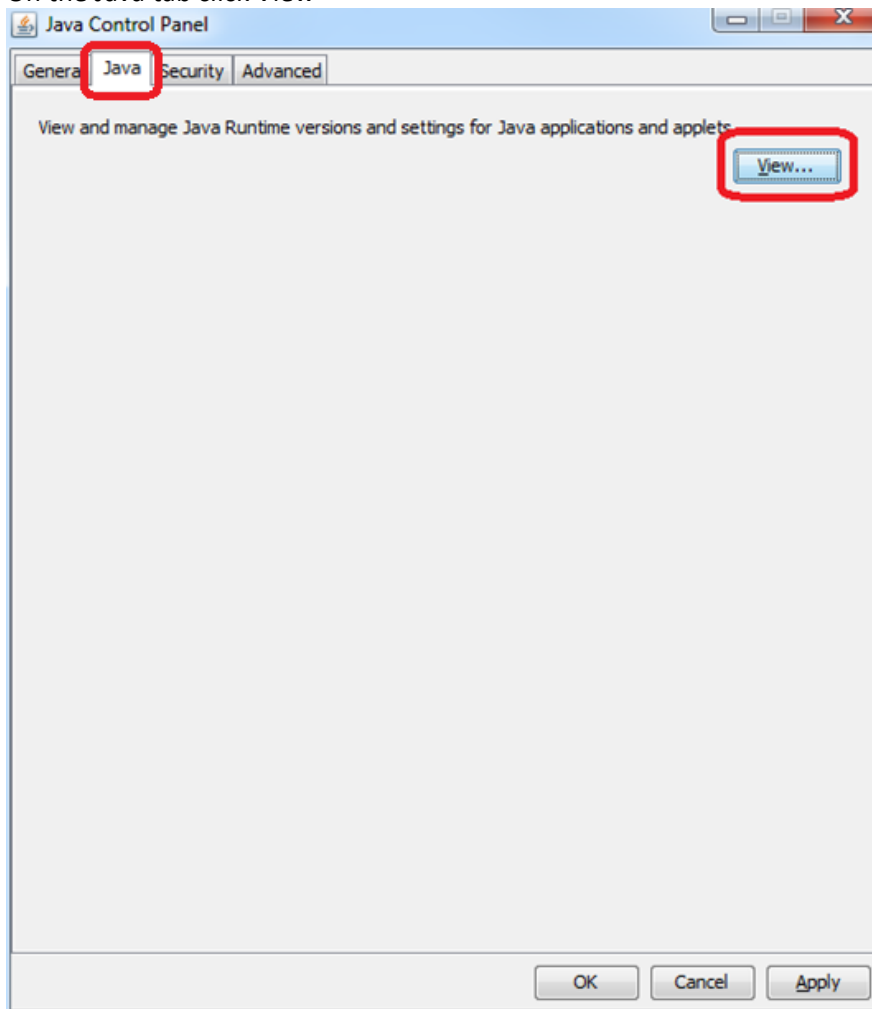
Go to All Programs -> Control Panel



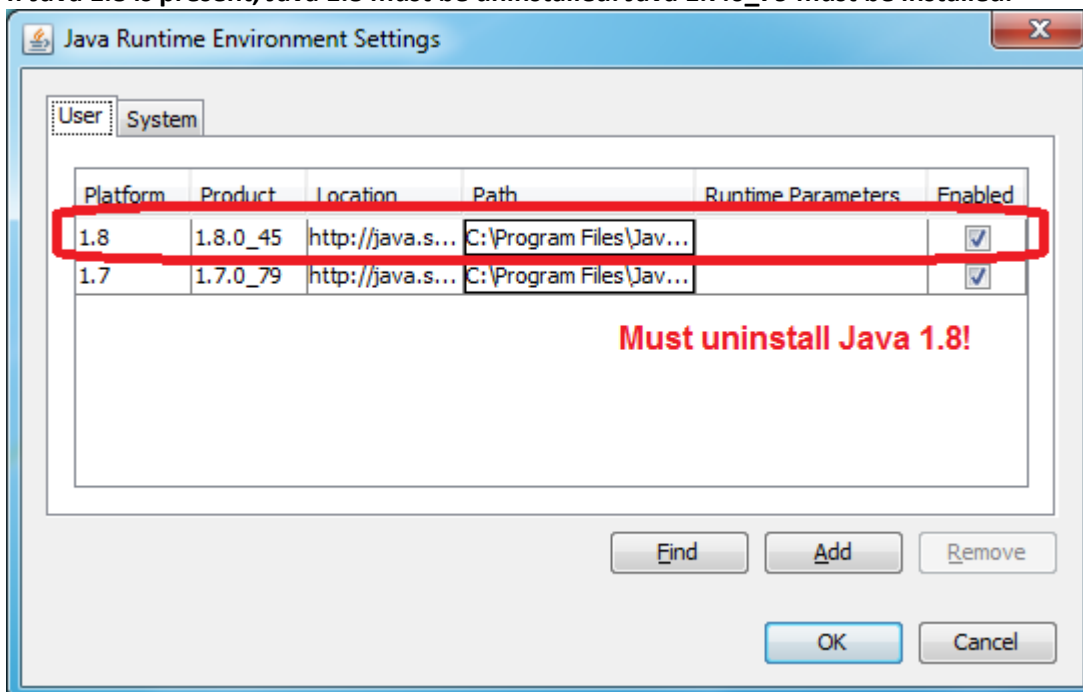
Find the Java Control Panel Icon and double click on it.



On the Java tab click View



If Java 1.8 is present, Java 1.8 must be uninstalled. Java 1.7.0_79 must be installed.



To uninstall Java 1.8, exit the Java Control Panel and follow the instructions that match your Windows version.

Windows 8 - Uninstall Programs

1. Right-click on the screen at bottom-left corner and choose the **Control Panel** from the pop-up menu.
2. When the Control Panel appears, choose **Uninstall a Program** from the Programs category.
3. Select the program to uninstall and then click its **Uninstall** button.
4. Click **Yes** to confirm the program uninstall.

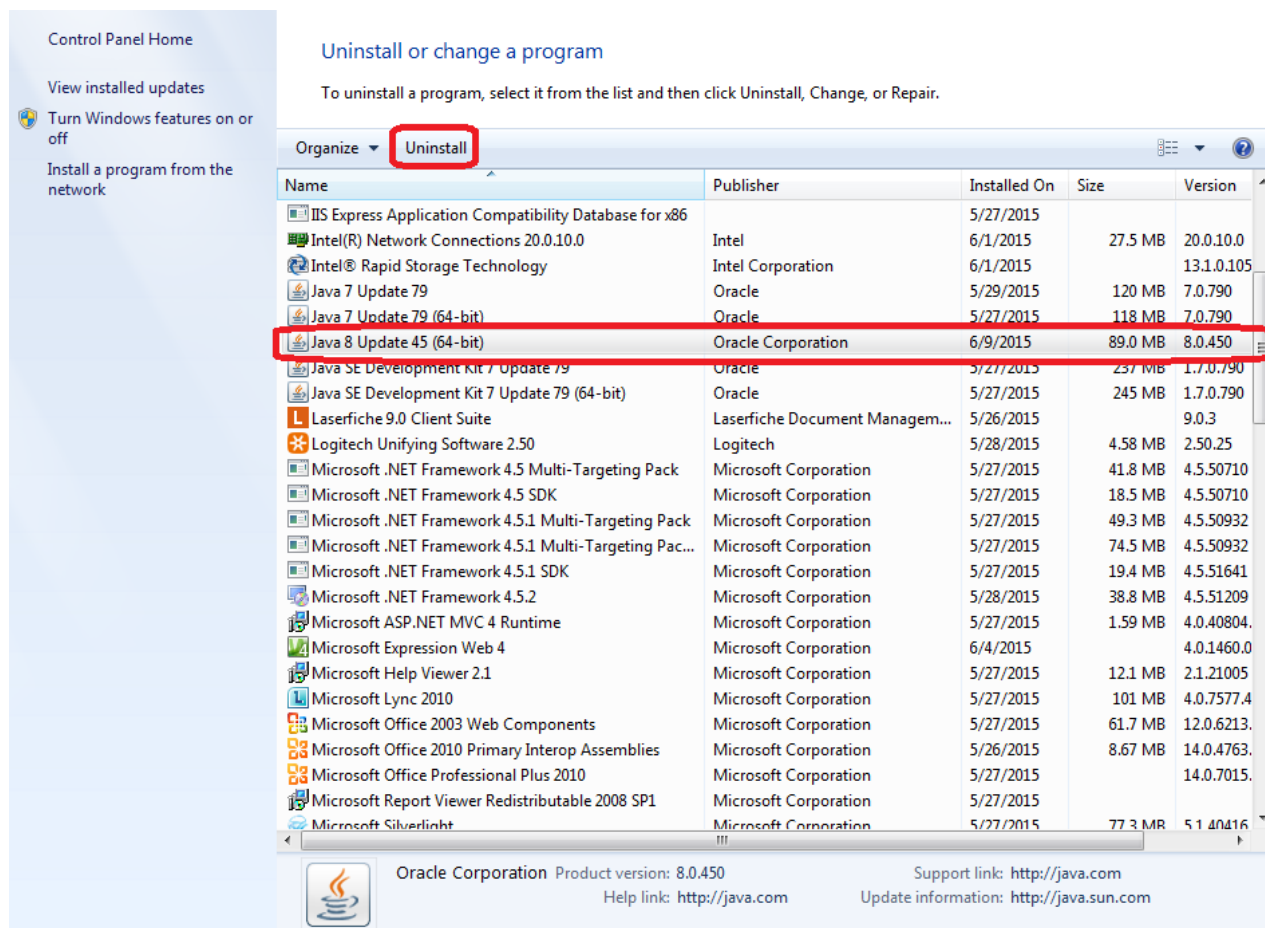
Windows 7 and Vista - Uninstall Programs

1. Click **Start**
2. Select **Control Panel**
3. Select **Programs**
4. Click **Programs and Features**
5. Select the program you want to uninstall by clicking on it, and then click the **Uninstall** button.

You may need administrator privileges to remove programs.

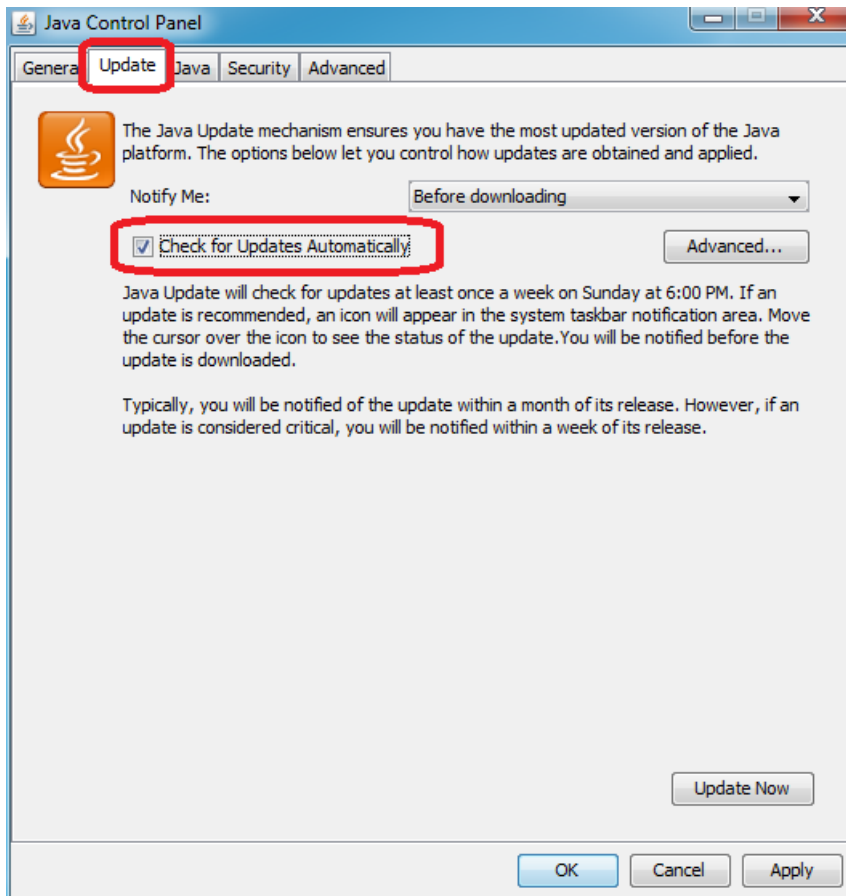
Windows XP - Uninstall Programs

1. Click **Start**
2. Select **Control Panel**
3. Click the **Add/Remove Programs** control panel icon
4. The Add/Remove control panel displays a list of software on your system, including any Java software products that are on your computer. Select any that you want to uninstall by clicking on it, and then click the **Remove** button.

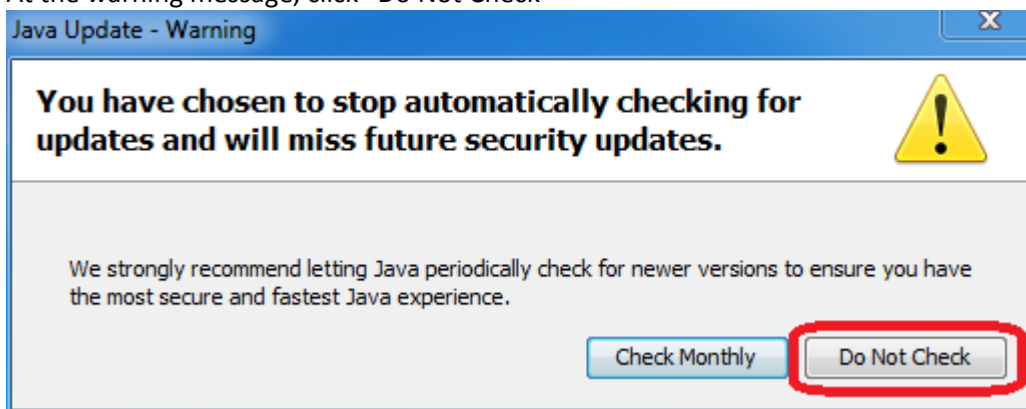


After you have confirmed that Java 1.8 is not present and version of Java as 1.7u79 is, then reopen the Java Control Panel icon and continue on the Update tab.

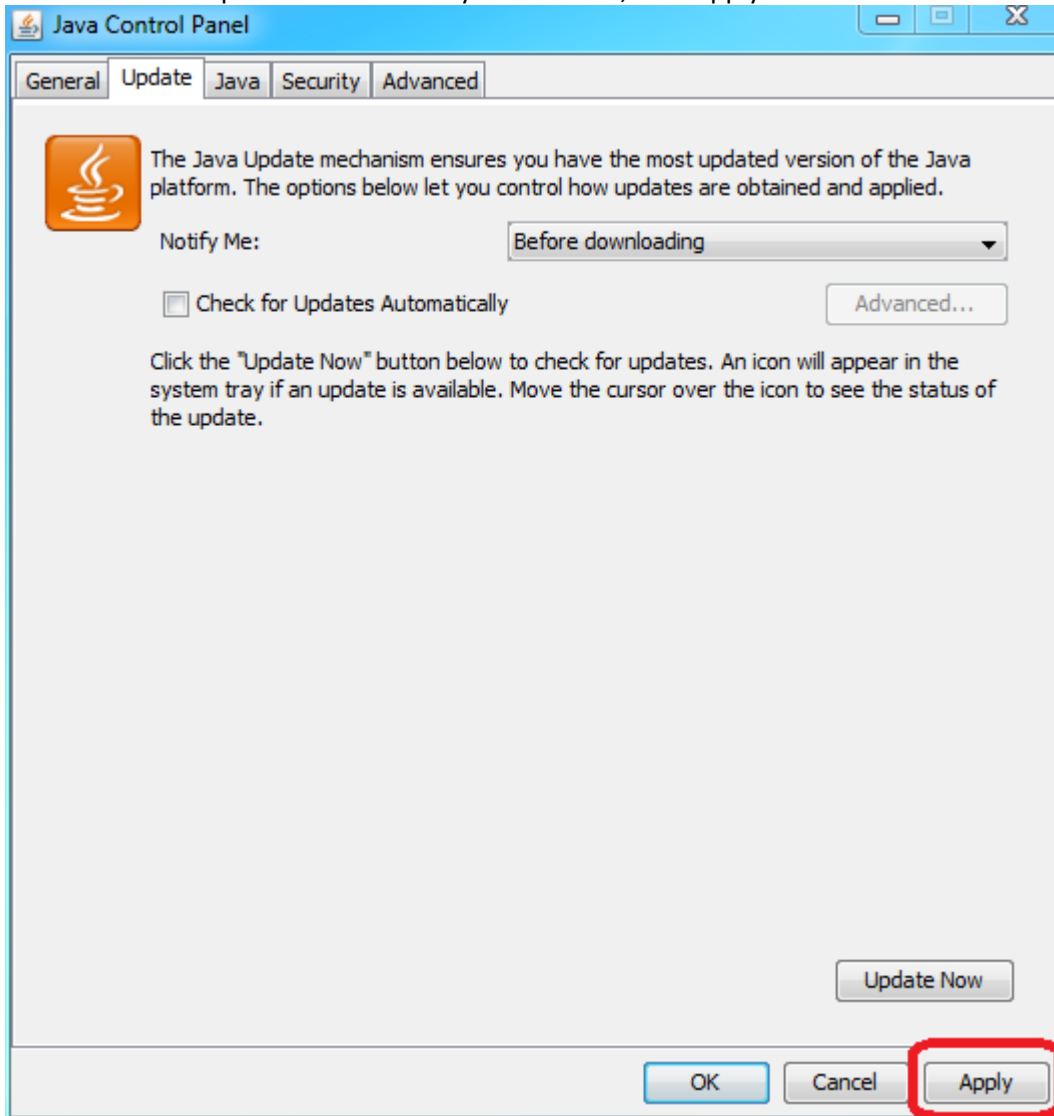
Uncheck “Check for Updates Automatically.” If you keep automatic updates, each time Java updates, you may have to repeat these instructions to get the Web Reporting system to work.



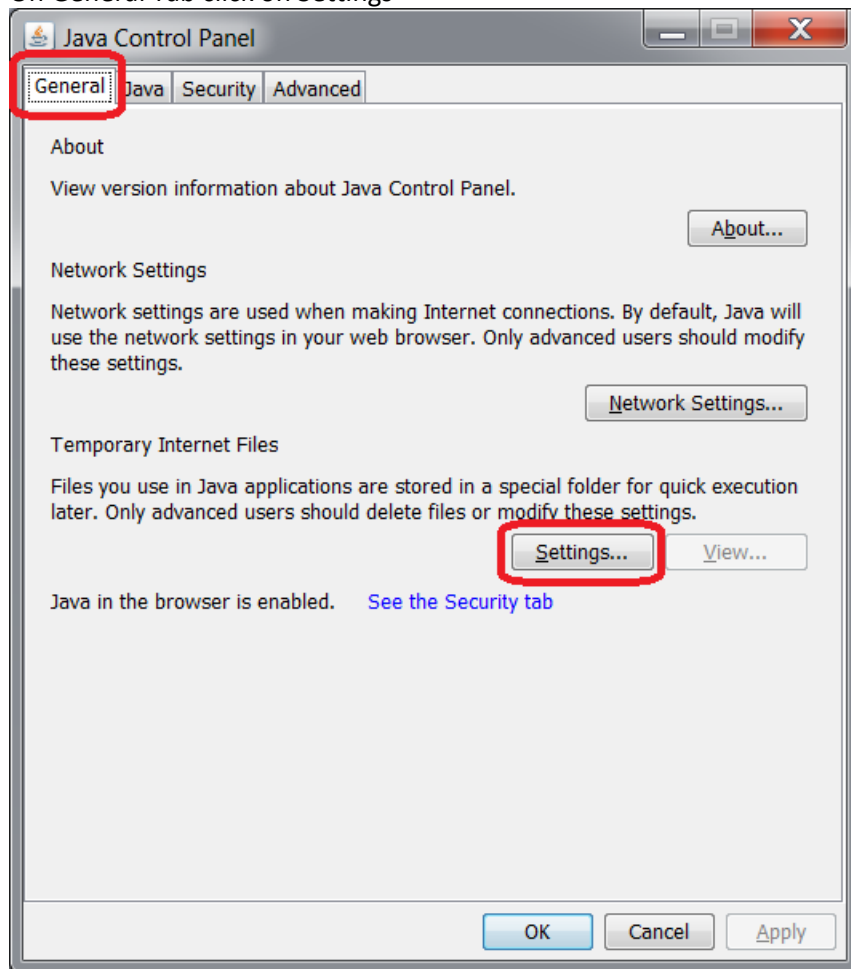
At the warning message, click “Do Not Check”



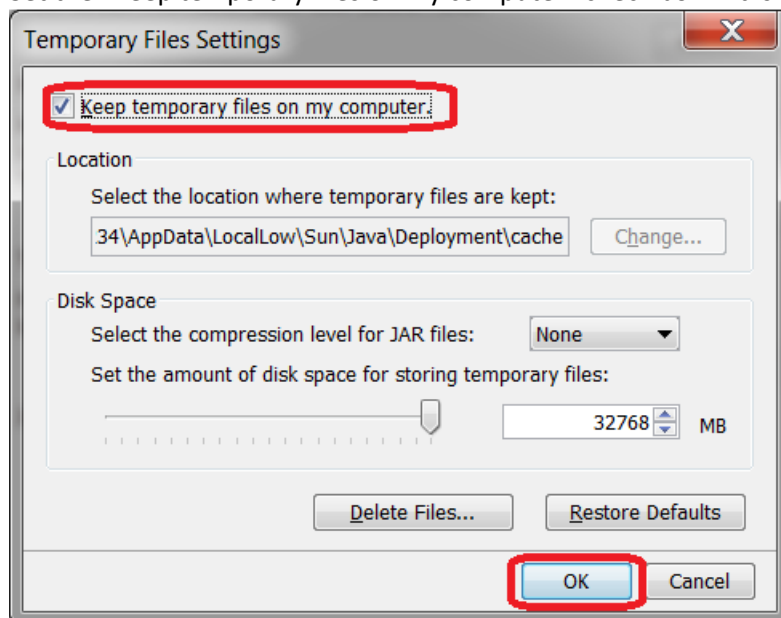
With “Check for Updates Automatically” unchecked, click Apply.



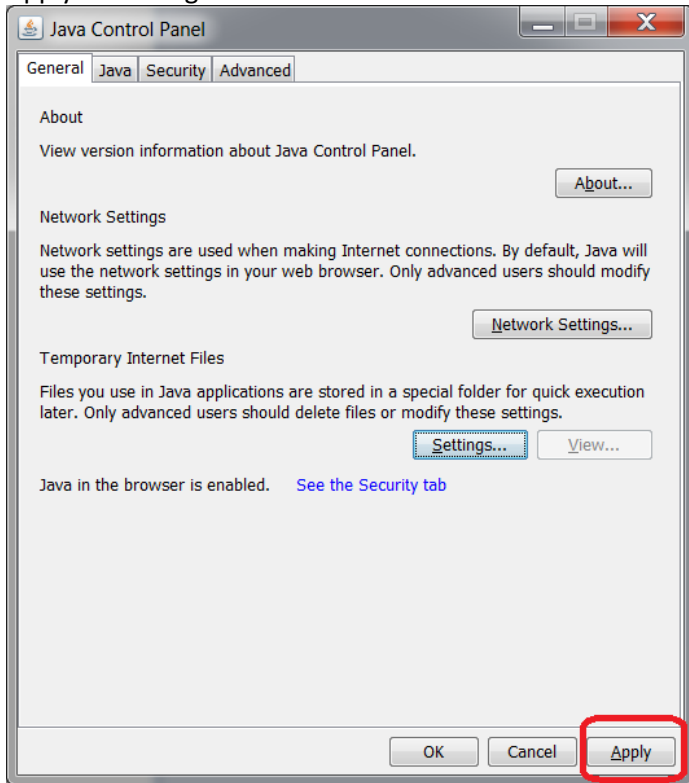
On General Tab click on Settings



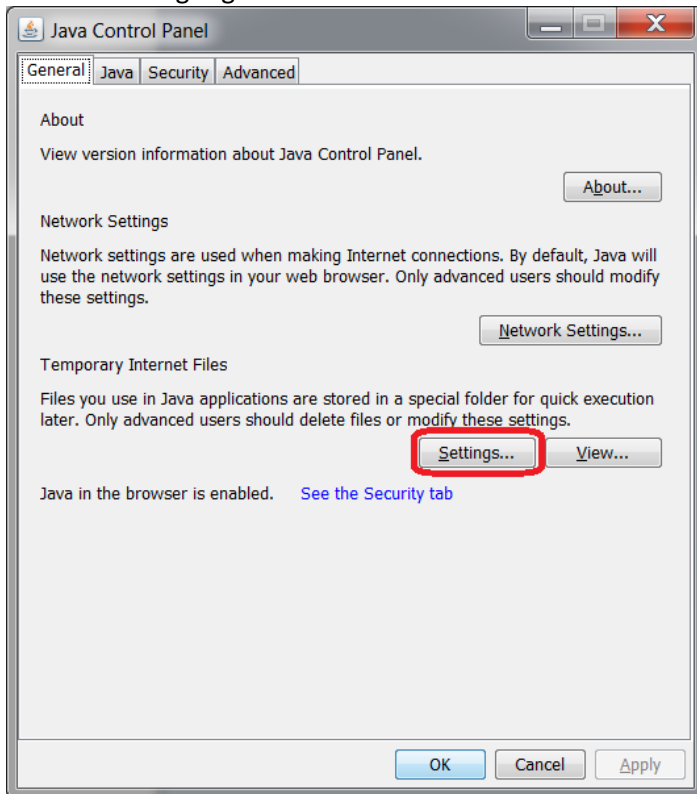
Set the “Keep temporary files on my computer” check box if it is not already set. Click OK



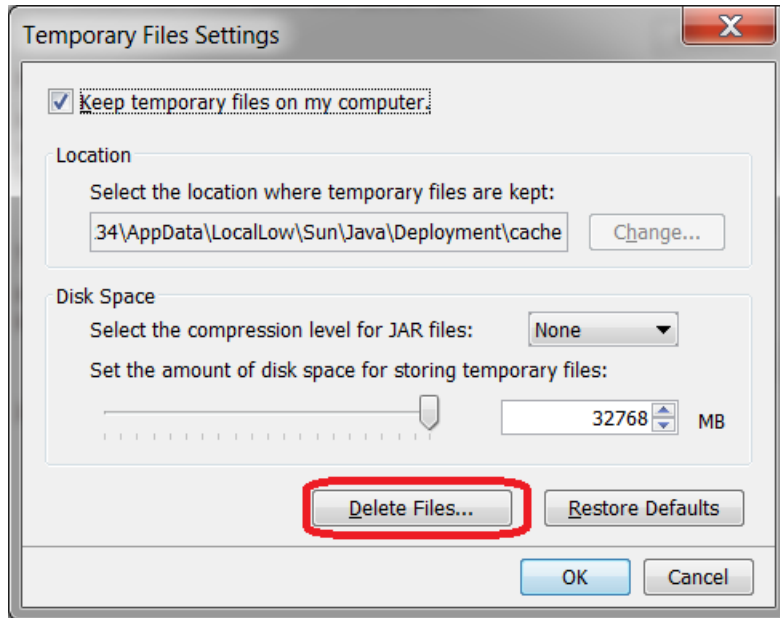
Apply the change



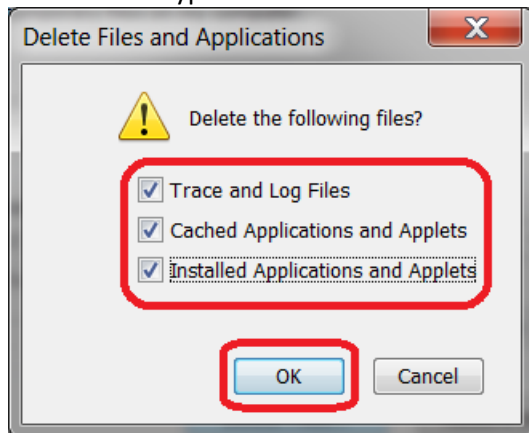
Click on Settings again



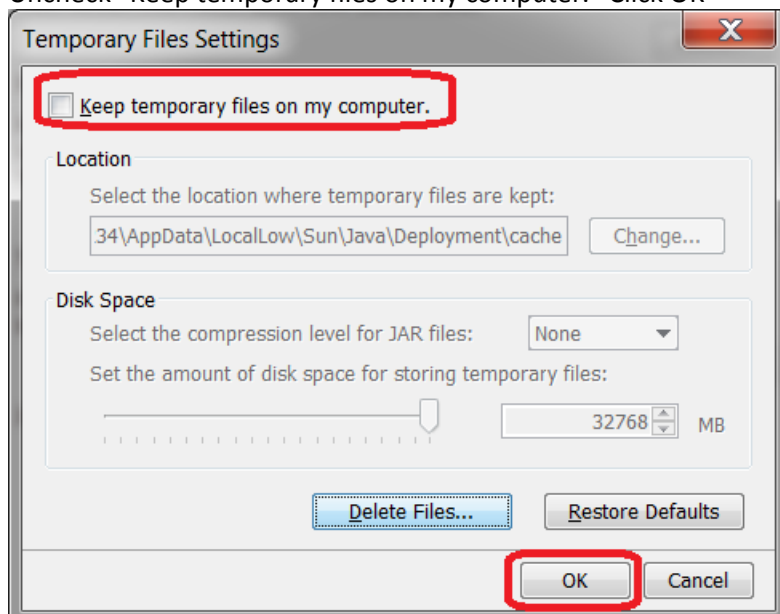
Click Delete Files



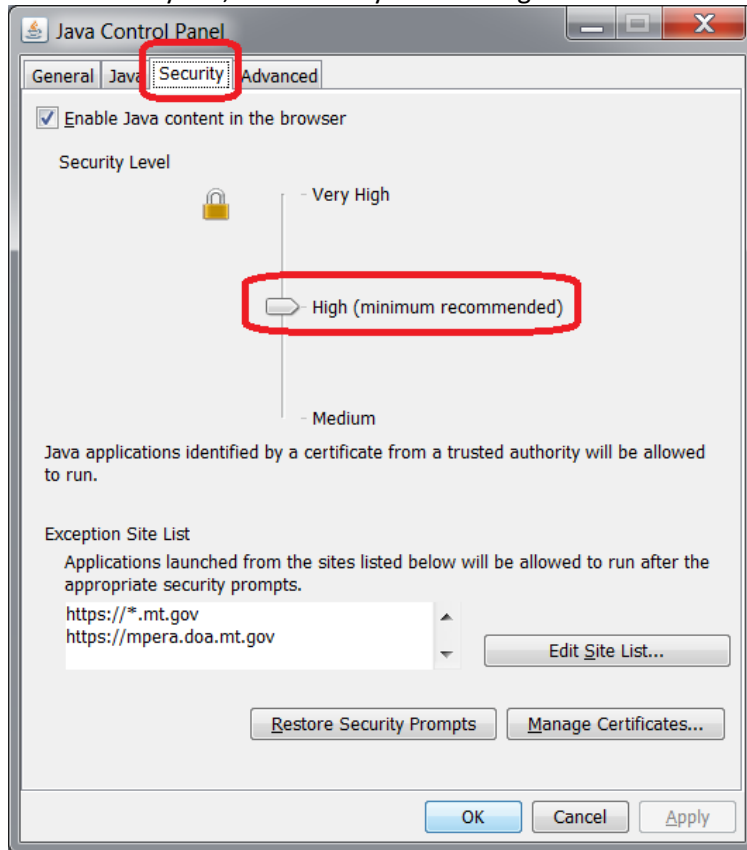
Select all file types and click OK



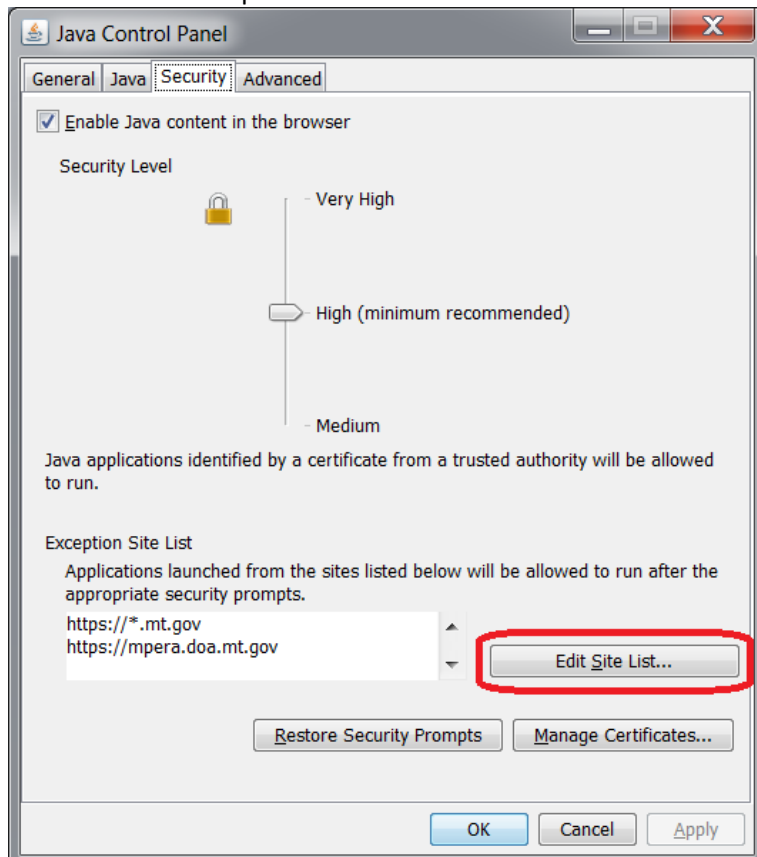
Uncheck "Keep temporary files on my computer." Click OK



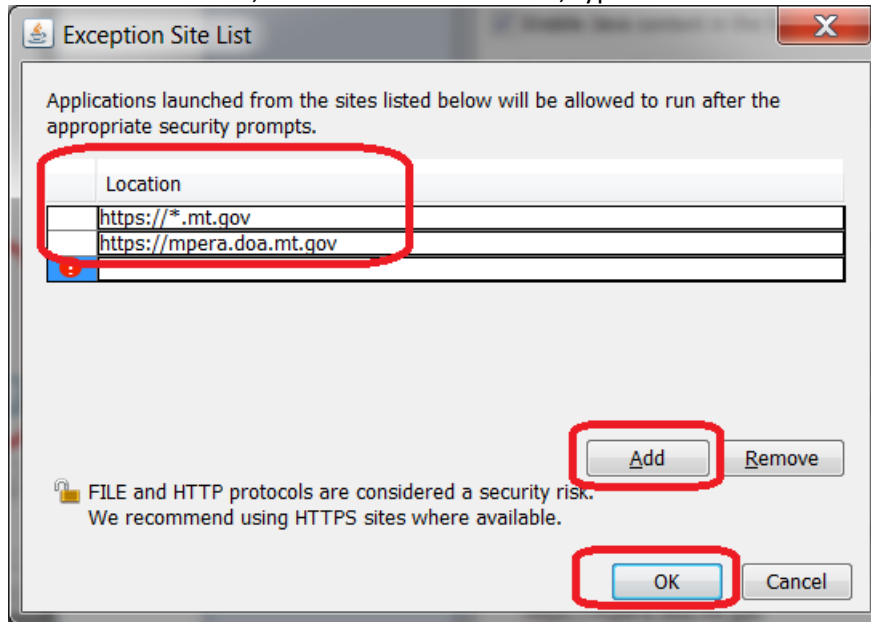
Go to Security tab, sett Security Level to High



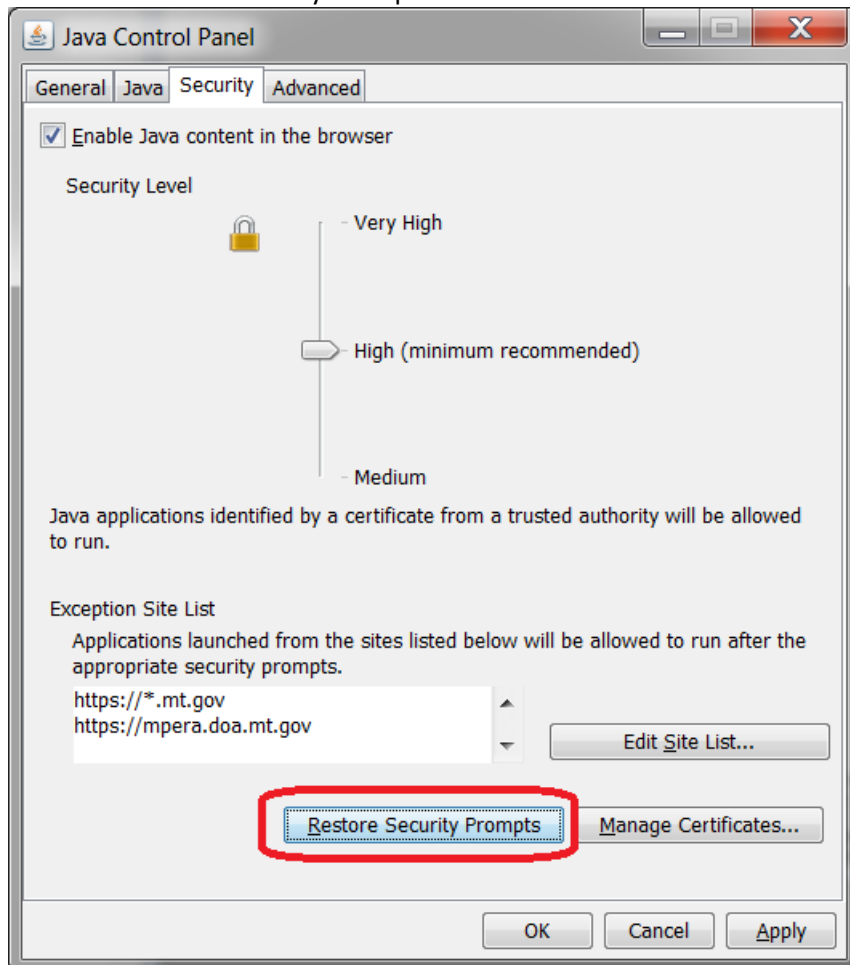
Make sure the Exception Site List contains both the sites below. If not, Click on Edit Site List.



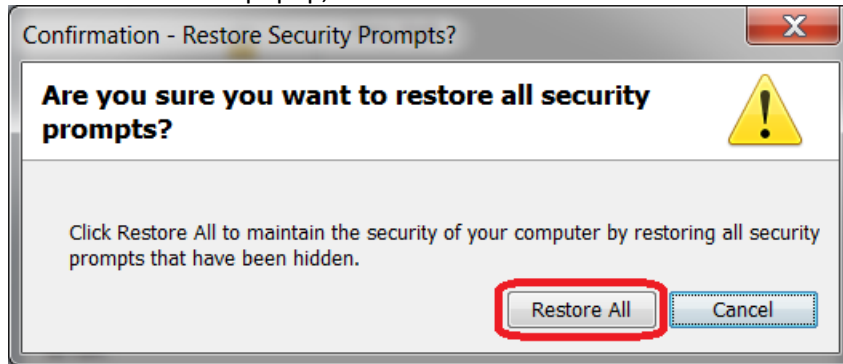
Click the Add button, on the new Location line, type the url address. When both addresses are entered, click OK.



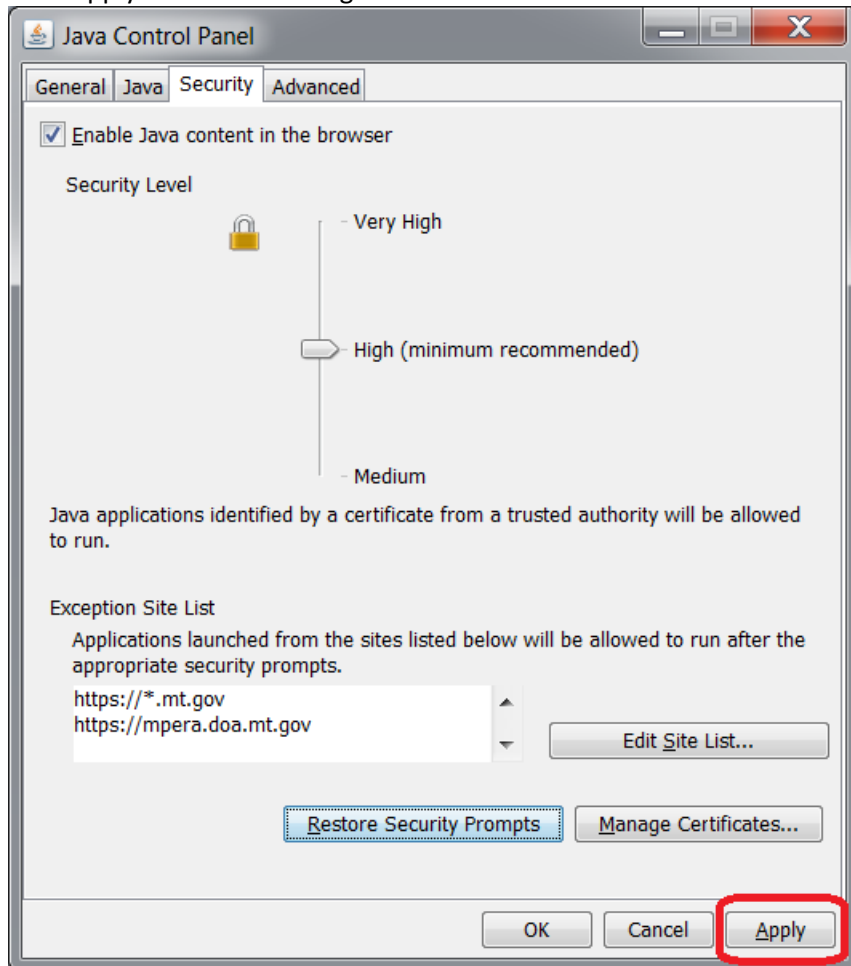
Click the "Restore Security Prompts" button.



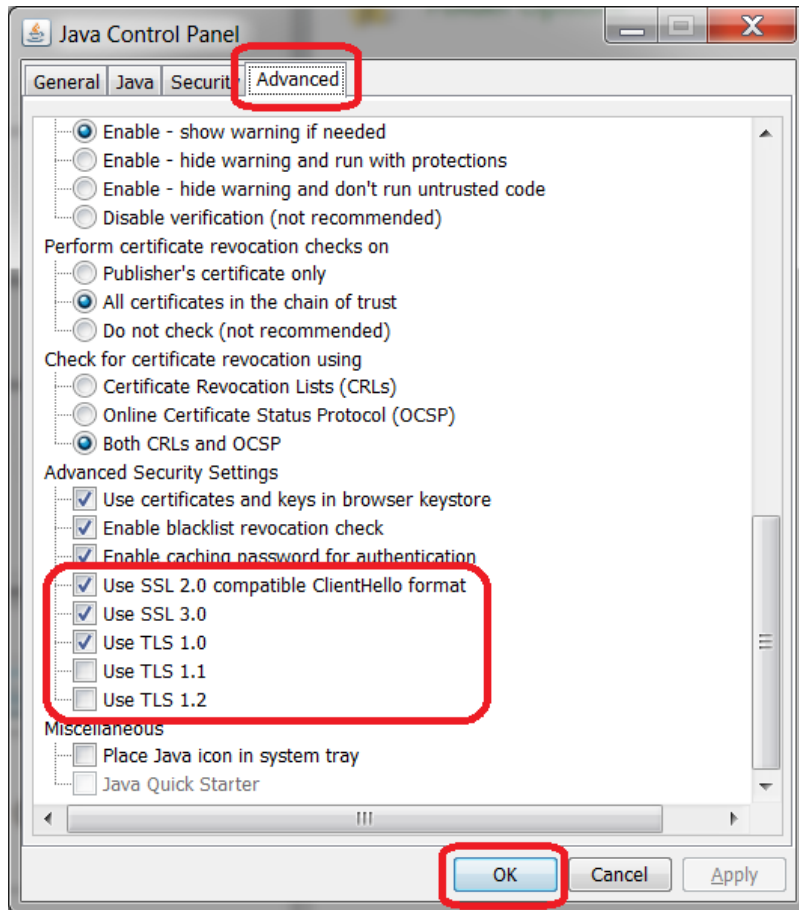
In the confirmation popup, click “Restore All”



Click Apply to save the changes.



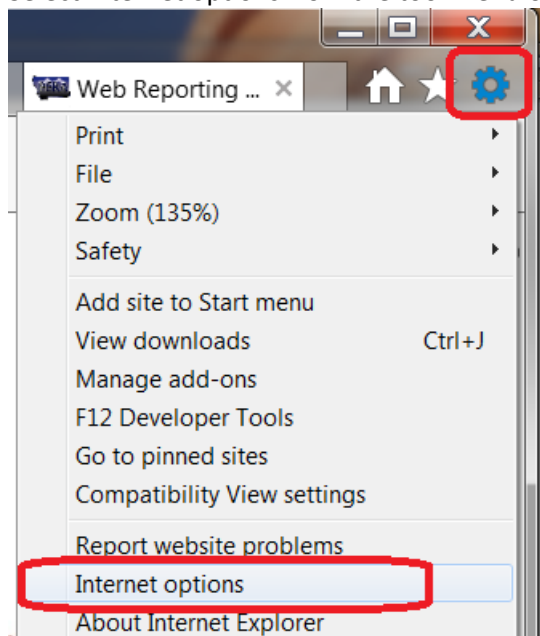
Click on the Advanced tab. Scroll to the bottom of the list. Make sure the SSL and TLS settings are checked or unchecked as below. Click OK.



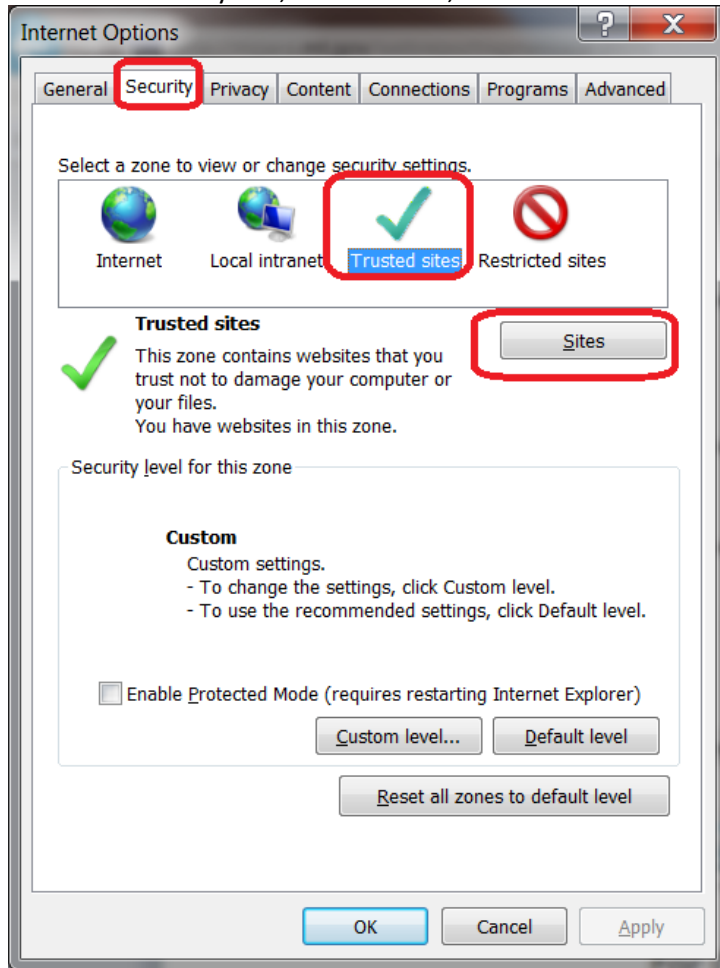
Settings for Internet Explorer:

Once the Java Control Panel is configured, configure Microsoft Internet Explorer.

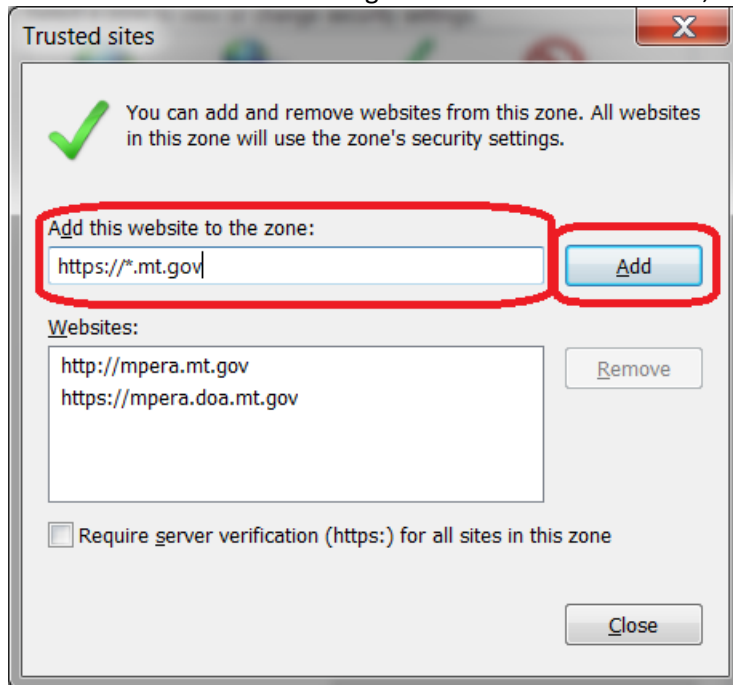
Select Internet options from the tool menu or tool icon



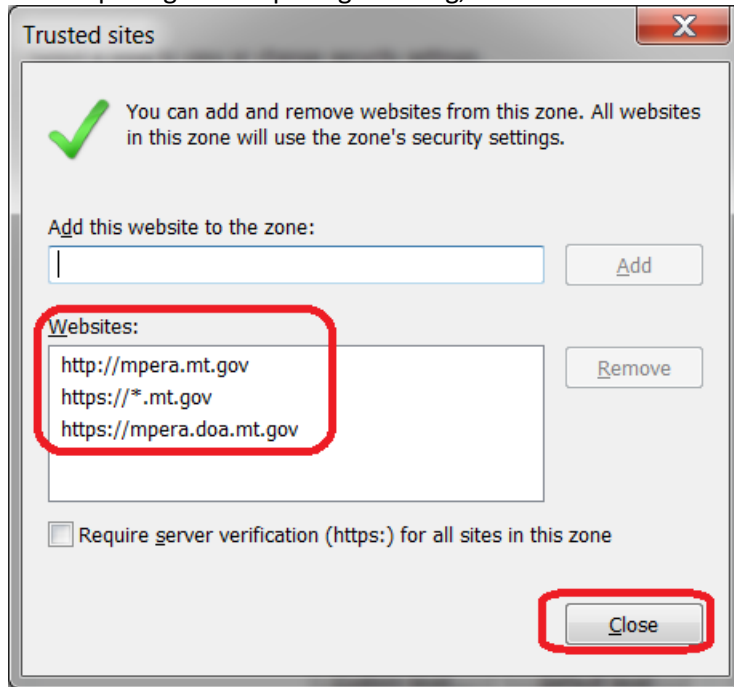
Select the Security Tab, Trusted Sites, Sites



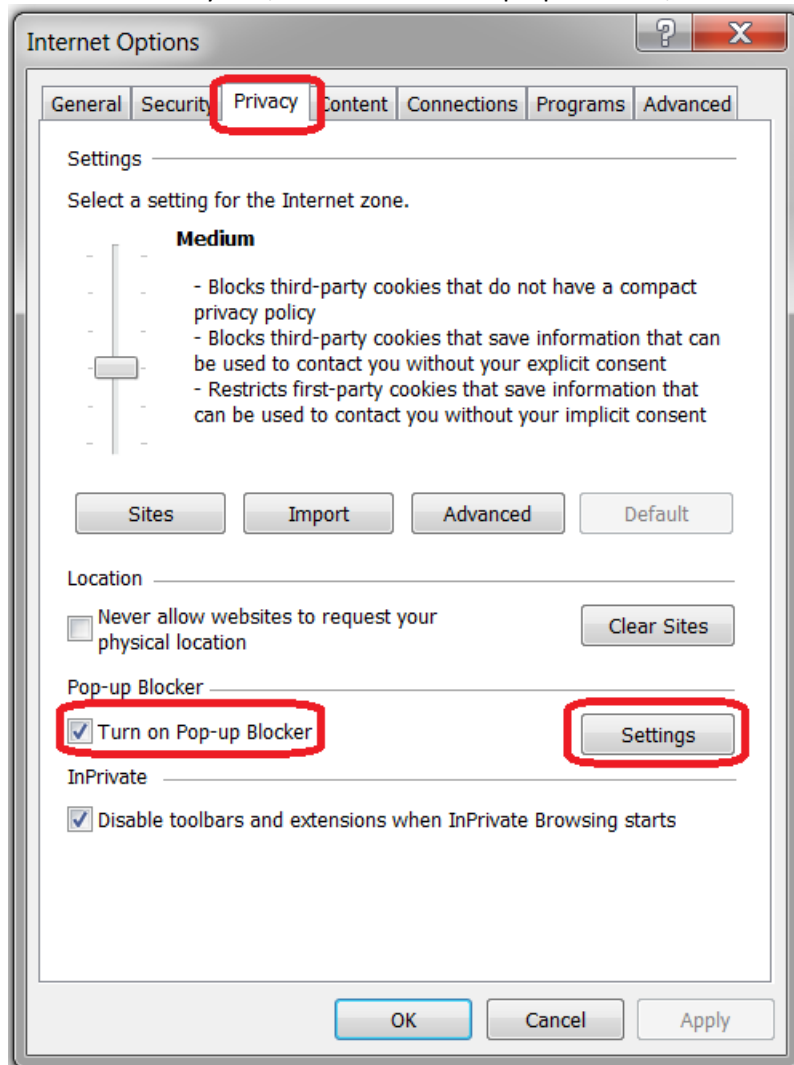
Look for the three trusted mt.gov sites below. If not found, add the trusted sites to the list. Click Add to add a site.



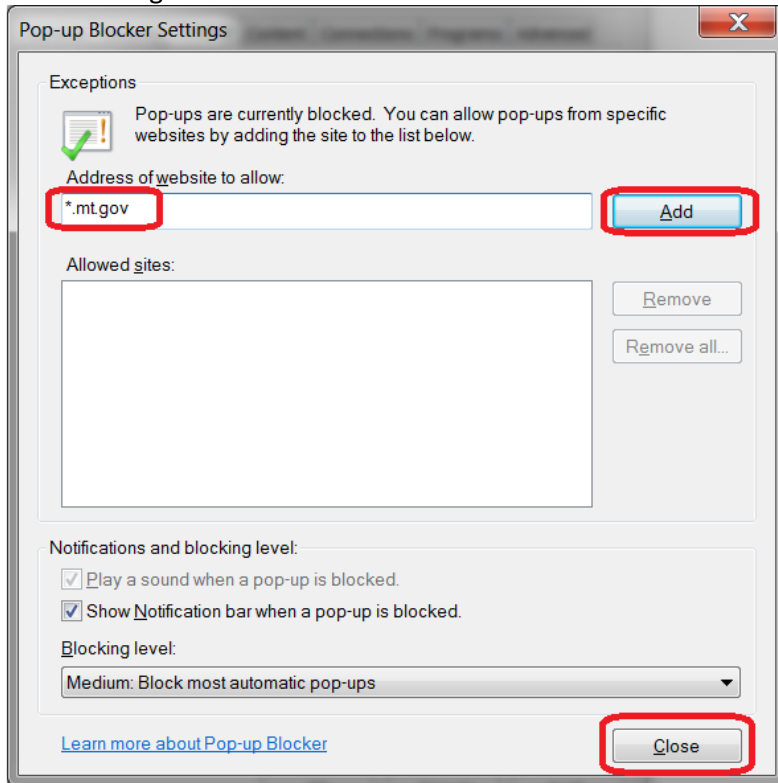
Check spelling. If the spelling is wrong, remove and add the correct url. Click close.



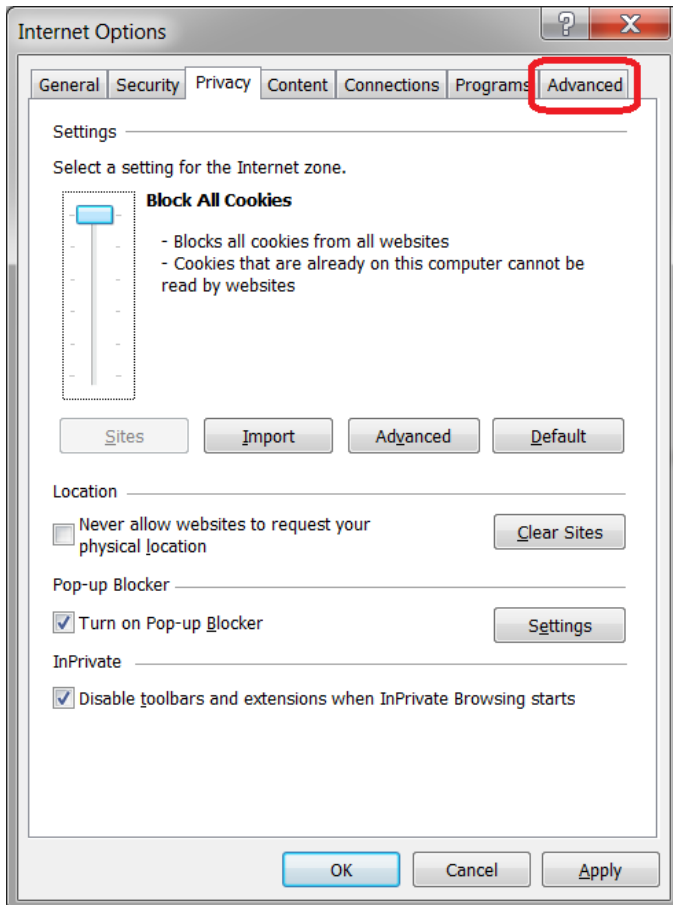
Select the Privacy Tab, Check "Turn on Pop-up Blocker", Click Settings



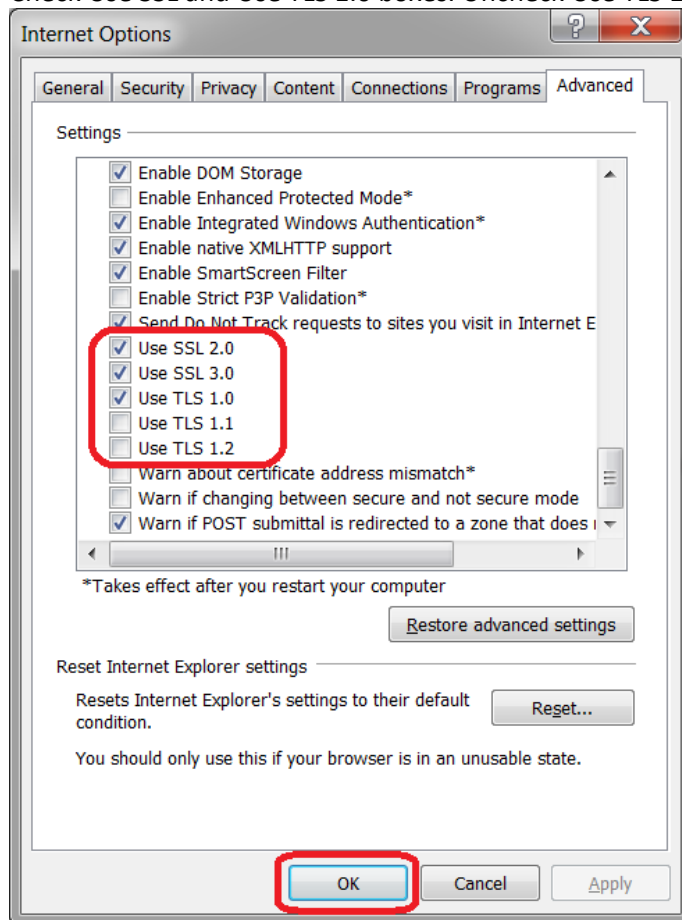
Enter “*.mt.gov” in Address of website to allow. Click Add. Click Close.



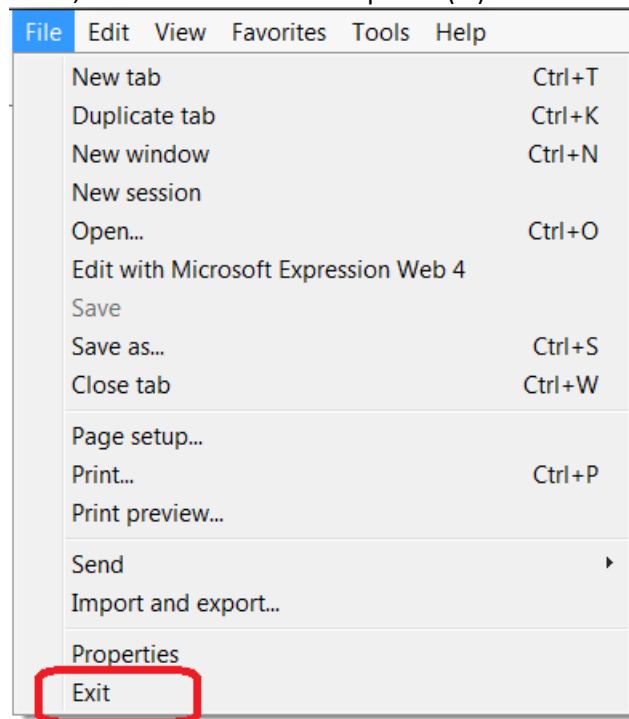
Click on the Advanced Tab.



Check Use SSL and Use TLS 1.0 boxes. Uncheck Use TLS 1.1 and Use TLS 1.2.



Close, then restart Internet Explorer (IE).



or



the restart IE.

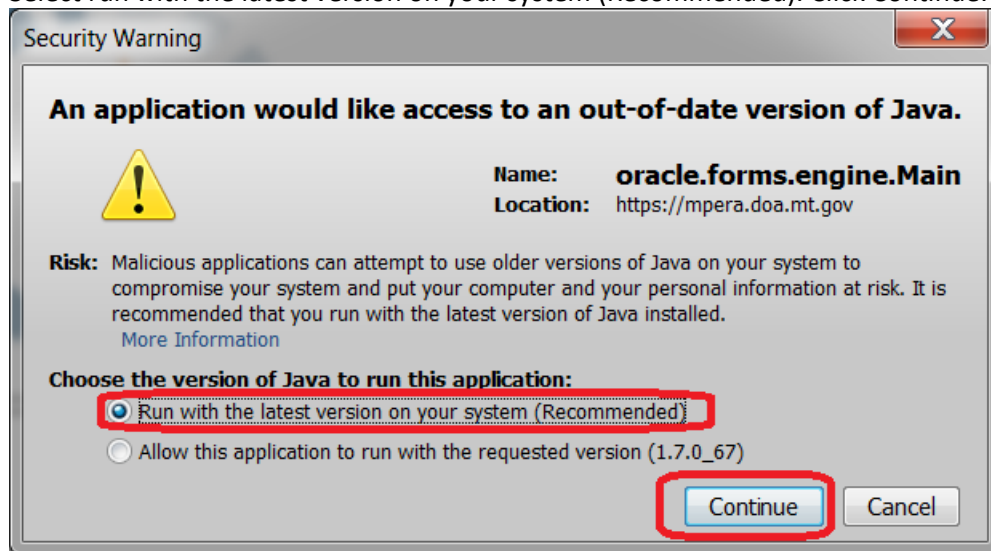
Control-Scroll Trick to Refresh/Redraw Screen:

Occasionally, Java will not refresh the screen which gives the appearance of a “screen lock” – the mouse does not work and the fields are either not present or not editable. To fix, press the control key (Ctrl) on the keyboard and roll the wheel on your mouse up and back. This action resizes the screen and refreshes the fields.

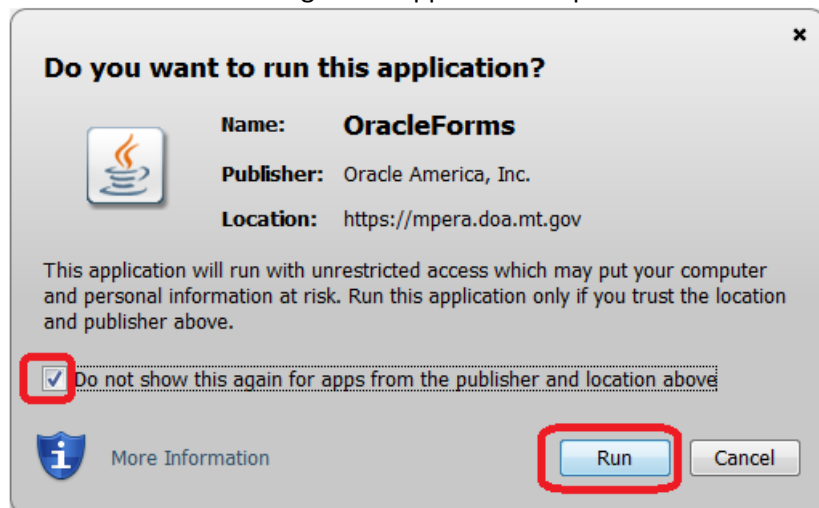
Security Warning Dialogs:

In the event that you get any of these dialog messages...

Select run with the latest version on your system (Recommended). Click Continue.



Click “Do not show this again for apps from the publisher and location above.” Click Run.



Other information on Java Security messages:

<http://java.com/en/download/help/appsecuritydialogs.xml>

http://java.com/en/download/help/trusted_signed_variations.xml